



This **Rigid Bolted Frog** is manufactured strictly in accordance with the AREMA specifications. It is durably constructed of rolled steel filler, steel rail heel riser, cast iron toe and heel blocks, and heat-treated bolts applied with driving fit in the holes. It is furnished with extended points and a 45 degree bevel on the wing rails. This frog is recommended for heavy duty yard use and medium speed turnouts. (Number of hook twin tie plates depends on frog number; above quantities shown for example only.)



A **Solid Manganese Steel Flat-Top Frog** is essentially a one-piece casting made of manganese-steel. This type of frog may be used as an alternative to a railbound manganese-steel frog for heavy main line slow-speed traffic.

**Standard AREMA Frog Lengths**  
Rails 112 lb. or Heavier

Frog No.	Total Length	Toe Length	Heel Length	Toe Spread	Heel Spread
4	5'11"	2'1"	3'10"	5-11/16"	12"
5	6'5"	2'1"	4'4"	4-1/2"	10-7/8"
6	7'4"	2'11"	4'5"	5-5/16"	9-5/16"
7	8'1-1/2"	2'11"	5'2-1/2"	4-1/2"	9-13/32"
8	8'11"	2'11"	6'0"	3-7/8"	9-1/2"
9	9'9"	2'11"	6'10"	3-3/8"	9-19/32"
10	11'4-1/2"	3'9"	7'7-1/2"	4"	9-5/8"
11	12'2-1/2"	3'9"	8'5-1/2"	3-9/16"	9-23/32"
12	13'0"	3'9"	9'3"	3-1/4"	9-3/4"